

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

1. (Original) A method for reducing CPU loading in a software receiver for a packet based communications system comprising the steps of:

measuring the current CPU load;

determining that the CPU load has exceeded a predetermined threshold;

signaling the communications system transmitter to inhibit packet transmission when the threshold is exceeded;

monitoring the CPU load while the transmitter is inhibited;

determining that the CPU load has fallen below a predetermined threshold; and

signaling the communications system transmitter to begin transmitting packets once the CPU load has fallen below the predetermined threshold.

2. (Original) A method as in claim 1, wherein the measurement of CPU loading is made by an operating system background task.

3. (Original) A method as in claim 1, wherein the CPU load measurement is based on the response time of the host CPU to a request for interrupt.

4. (Original) A method as in claim 1, wherein the transmitter signaling is done through a power save mode.

5. (Original) A method as in claim 1, in which the communications system is wireless.

6. (Original) A method as in claim 1, in which the communications system is IEEE 802.11 wireless local area network (WLAN).

7. (Original) A method as in claim 1, in which the communication system is Bluetooth.

8. (Original) A method as in claim 1, in which the communications system is IEEE 802.15 wireless personal area network (PAN).

9.-14. (Canceled).